

400 Garden City Plaza – Suite 300  
Garden City, New York 11530  
(516) 742-4343 – Telephone  
(516) 742-4366 – Facsimile  
e-mail: [intprop@ssmp.com](mailto:intprop@ssmp.com)

**SCULLY, SCOTT, MURPHY  
& PRESSER, P.C.**

RECEIVED  
CENTRAL FAX CENTER

JUL 19 2006

# Fax

<b>To:</b>	Examiner Luan C. thai	<b>From:</b>	Steven Fischman
<b>Fax:</b>	(571) 273-8300	<b>Pages:</b>	6 pages including cover sheet
<b>Phone:</b>		<b>Date:</b>	7/19/2006
<b>Re:</b>	U.S. Serial No. 10/710,562 Group Art Unit: 2891 Confirmation No: 4402 Docket: No: BUR92000048US1 (17543)	<b>CC:</b>	

## RESPONSE UNDER 37 C.F.R. §§1.111 AND 1.143

• **Attached hereto:**

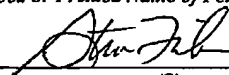
1. Certificate of Transmission by Facsimile
2. Transmittal Letter (in duplicate)
3. Response Under 37 C.F.R. §§1.111 and 1.143
4. Authorization to charge deposit account

CONFIDENTIALITY: The documents accompanying this facsimile transmission may contain information which is either confidential or legally privileged and is intended only for the authorized use of the individual or entity named above without right or publication or republication, dissemination or disclosure except as expressly set forth or established by course of dealing. All rights are reserved. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or use of the contents of this facsimile is prohibited. If you received this transmission in error, please notify us immediately by telephone to arrange for return of the documents.

If you have any problems concerning this facsimile, please call (516) 742-4343 and ask for Grace Colucci at ext. 590 or via e-mail at [gcolucci@ssmp.com](mailto:gcolucci@ssmp.com).

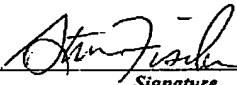
BEST AVAILABLE COPY

JUL 19 2006

<b>CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)</b> Applicant(s): Timothy H. Daubenspeck, et al.			Docket No. <b>BUR920040048US1 (17543)</b>	
Application No. <b>10/710,562</b>	Filing Date <b>July 21, 2004</b>	Examiner <b>Luan C. Thai</b>	Group Art Unit <b>2891</b>	
Invention: <b>DAMASCENE PATTERNING OF BARRIER LAYER METAL FOR C4 SOLDER BUMPS</b>				
Confirmation No: 4402				
<p>I hereby certify that this <u>                    <b>RESPONSE UNDER 37 C.F.R. §§1.111 AND 1.143</b>                    </u> <i>(Identify type of correspondence)</i></p> <p>is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. <u>          <b>(571) 273-8300</b>          </u>)</p> <p>on <u>          <b>July 19, 2006</b>          </u> <i>(Date)</i></p> <div style="text-align: right;"><p><u>                                    <b>Steven Fischman</b>                                    </u> <i>(Typed or Printed Name of Person Signing Certificate)</i></p><p><u>                                                                        </u> <i>(Signature)</i></p></div>				
<p style="text-align: center;"><b>Note: Each paper must have its own certificate of mailing.</b></p>				

P18/REV02

JUL 19 2006

<b>TRANSMITTAL LETTER</b> (General - Patent Pending)				Docket No. <b>BUR920040048US1 (17543)</b>	
In Re Application Of: <b>Timothy H. Daubenspeck, et al.</b>					
Application No. <b>10/710,562</b>	Filing Date <b>July 21, 2004</b>	Examiner <b>Luan C. Thai</b>	Customer No. <b>23389</b>	Group Art Unit <b>2891</b>	Confirmation No. <b>4402</b>
Title: <b>DAMASCENE PATTERNING OF BARRIER LAYER METAL FOR C4 SOLDER BUMPS</b>					
<u>COMMISSIONER FOR PATENTS:</u>					
Transmitted herewith is:  <b>RESPONSE UNDER 37 C.F.R. §§1.111 AND 1.143</b>					
in the above identified application.					
<input checked="" type="checkbox"/> No additional fee is required. <input type="checkbox"/> A check in the amount of _____ is attached. <input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. <b>09-0456/IBM</b> as described below. <input type="checkbox"/> Charge the amount of _____ <input checked="" type="checkbox"/> Credit any overpayment. <input checked="" type="checkbox"/> Charge any additional fee required. <input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached. <b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</b>					
 _____ Signature			Dated: <b>July 19, 2006</b>		
Steven Fischman Registration No. 34,594					
SCULLY, SCOTT, MURPHY & PRESSER, P.C. 400 Garden City Plaza, Suite 300 Garden City, New York 11530 (516) 742-4343					
CC:					
<div style="border: 1px solid black; padding: 5px; width: fit-content;"><div style="text-align: center;">I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on _____ (Date) _____ Signature of Person Mailing Correspondence _____ Typed or Printed Name of Person Mailing Correspondence</div></div>					

P16A/REV03

BEST AVAILABLE COPY

RECEIVED  
CENTRAL FAX CENTER

# 4 / 6

JUL 19 2006

TRANSMITTAL LETTER  
(General - Patent Pending)Docket No.  
BUR920040048US1 (17543)

In Re Application Of: Timothy H. Daubenspeck, et al.

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/710,562	July 21, 2004	Luan C. Thai	23389	2891	4402

Title: DAMASCENE PATTERNING OF BARRIER LAYER METAL FOR C4 SOLDER BUMPS

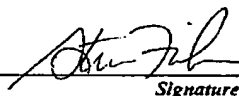
COMMISSIONER FOR PATENTS:

Transmitted herewith is:

RESPONSE UNDER 37 C.F.R. §§1.111 AND 1.143

in the above identified application.

- ☒ No additional fee is required.
- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 09-0456/IBM as described below.
- ☐ Charge the amount of \_\_\_\_\_
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**  
Signature

Dated: July 19, 2006

Steven Fischman  
Registration No. 34,594SCULLY, SCOTT, MURPHY & PRESSER, P.C.  
400 Garden City Plaza, Suite 300  
Garden City, New York 11530  
(516) 742-4343

CC:

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on _____	
(Date)	
Signature of Person Mailing Correspondence	
Typed or Printed Name of Person Mailing Correspondence	

P18A/REV03

RECEIVED  
CENTRAL FAX CENTER

JUL 19 2006

# 5 / 6

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Timothy H. Daubenspeck, et al.

Examiner: Luan C. Thai

Serial No: 10/710,562

Art Unit: 2891

Filed: July 21, 2004

Docket: BUR920040048US1 (17543)

For: DAMASCENE PATTERNING OF  
BARRIER LAYER METAL FOR C4  
SOLDER BUMPS

Dated: July 19, 2006

Confirmation No: 4402

Commissioner of Patents and Trademarks  
P.O. Box 1450  
Alexandria, Virginia 22313-1450**RESPONSE UNDER 37 C.F.R. §§1.111 AND 1.143**


Sir:

In response to the Office Action dated June 19, 2006, applicants provisionally elect, without traverse, the subject matter of Group I, i.e., Claims 9-18, for continued prosecution in the above-identified patent application.

**CERTIFICATION OF FACSIMILE TRANSMISSION**

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Dated: July 19, 2006

  
Steven Fischman